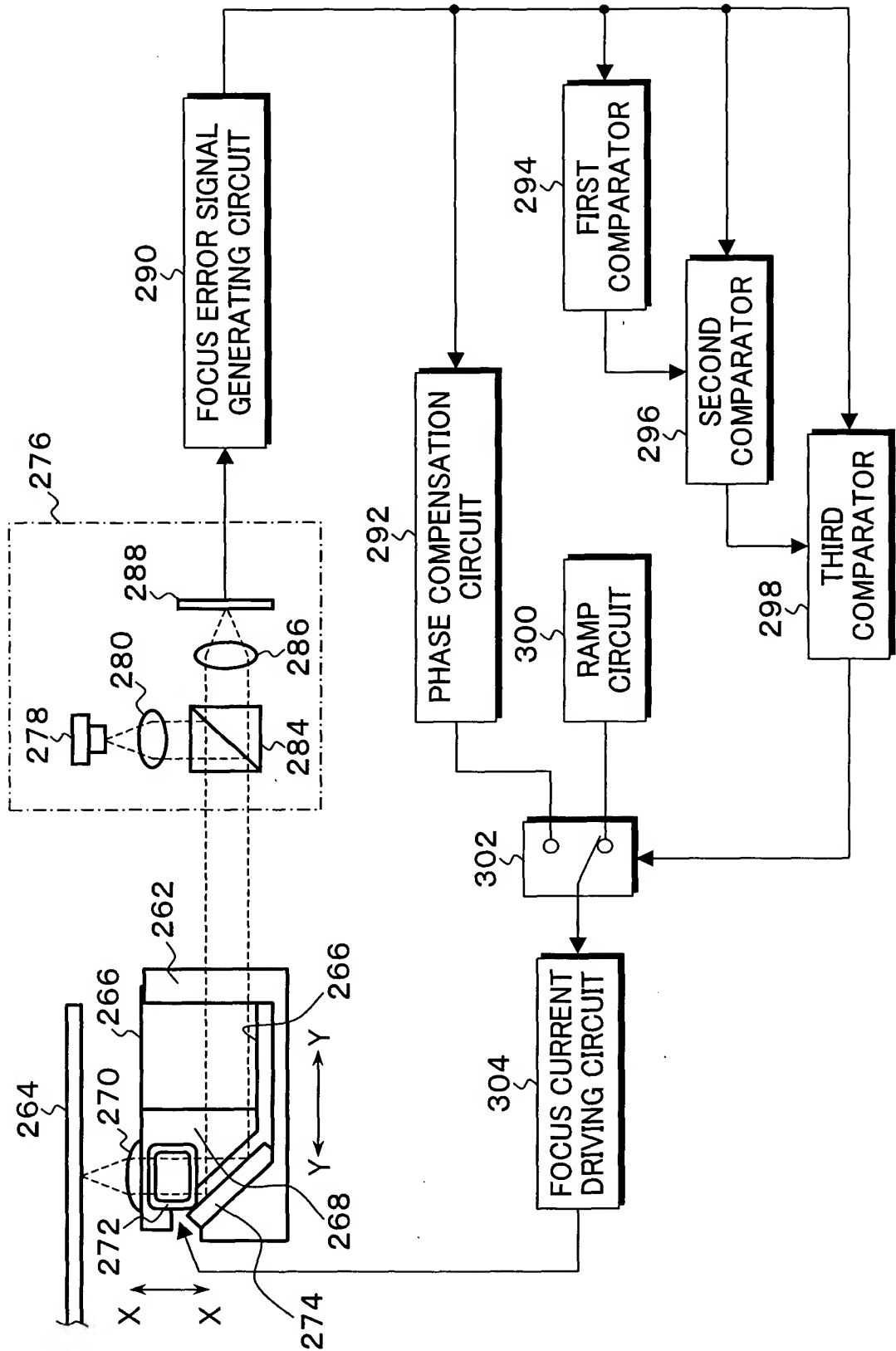


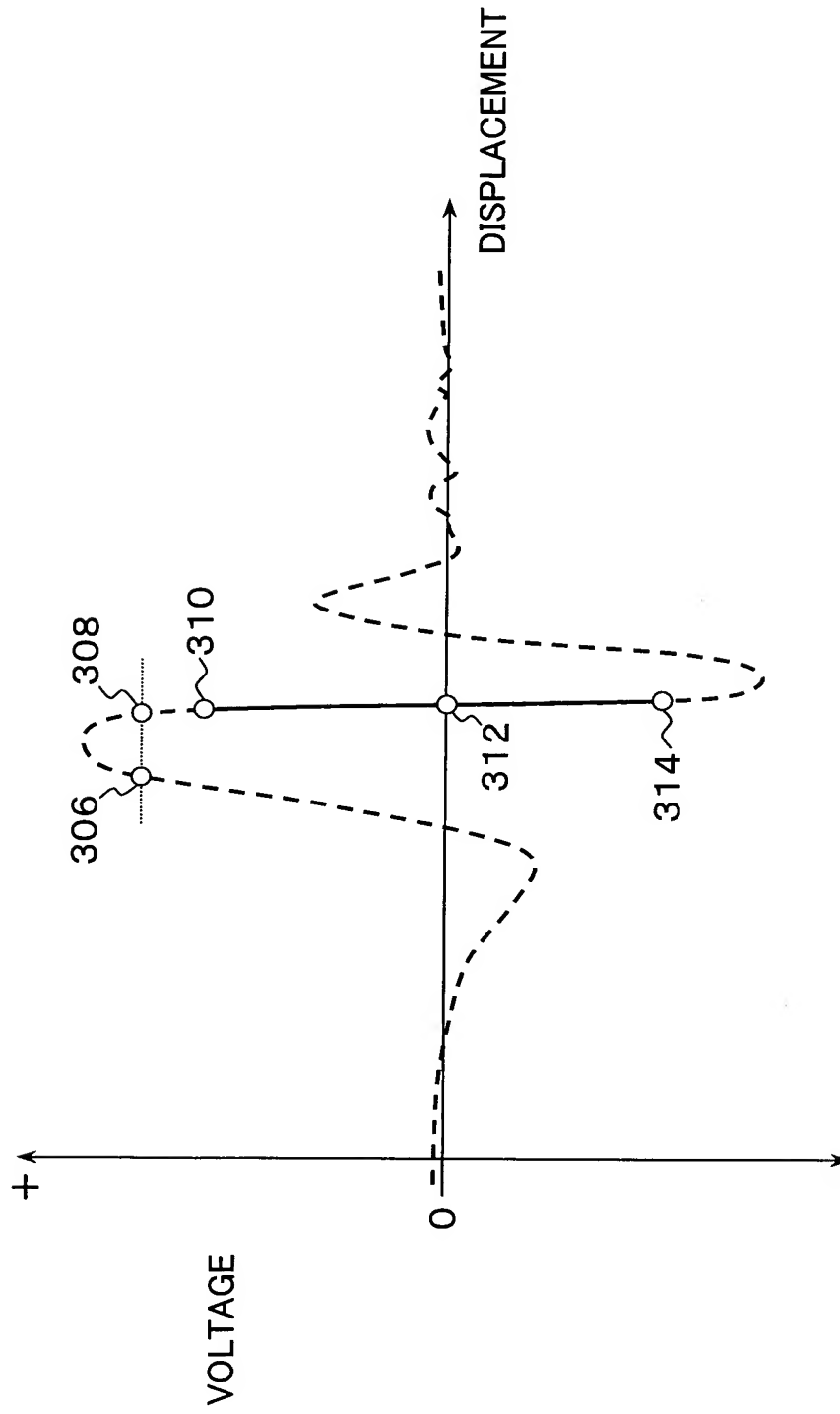
1/13

FIG. 1 PRIOR ART



2/13

FIG. 2 PRIOR ART



3/13

PRIOR ART

FIG. 3A

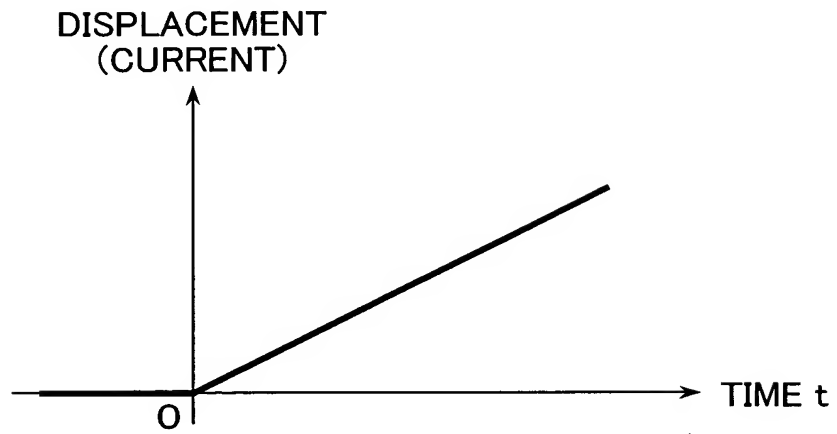


FIG. 3B

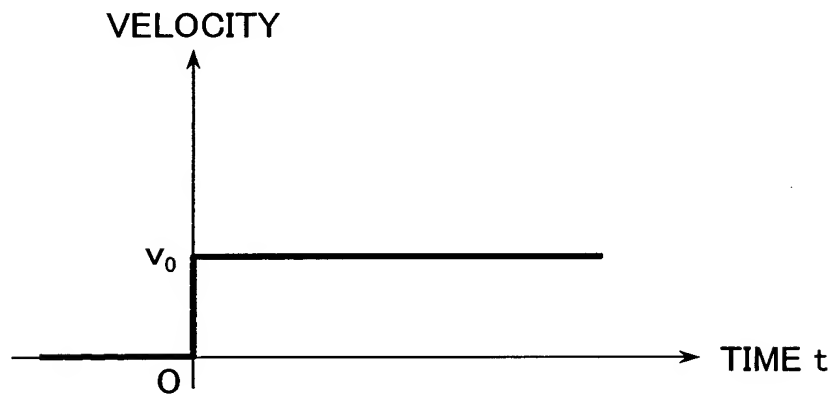
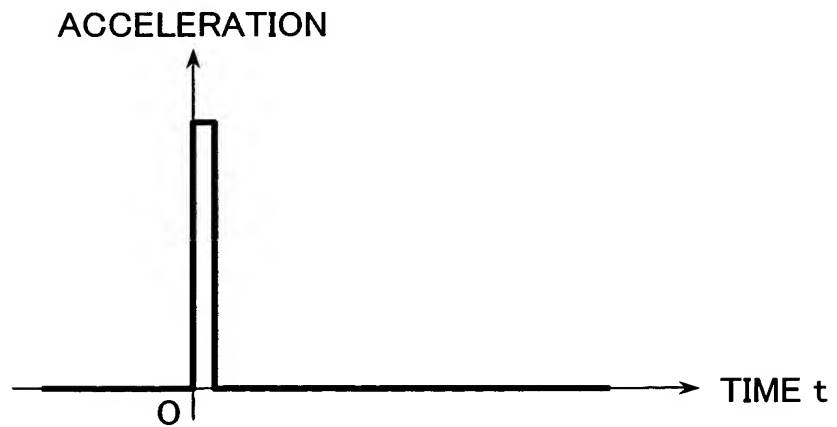
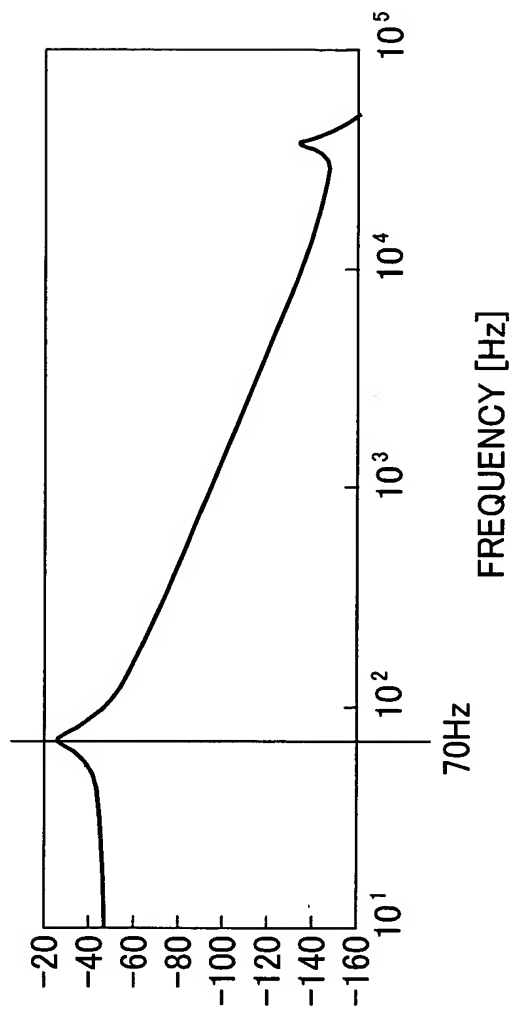


FIG. 3C



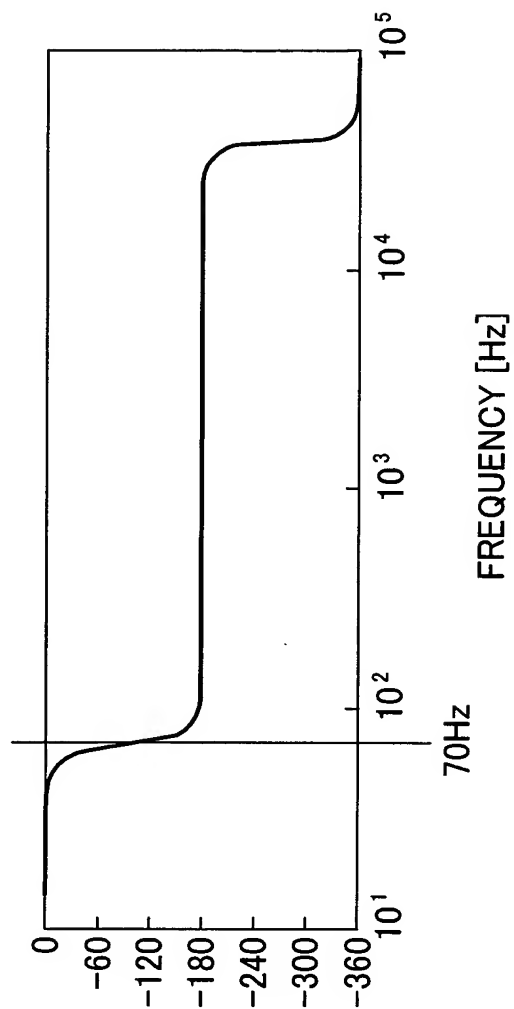
4/13

PRIOR ART



GAIN [dBm]

FIG. 4A



PHASE DEGREE

FIG. 4B

5/13

PRIOR ART

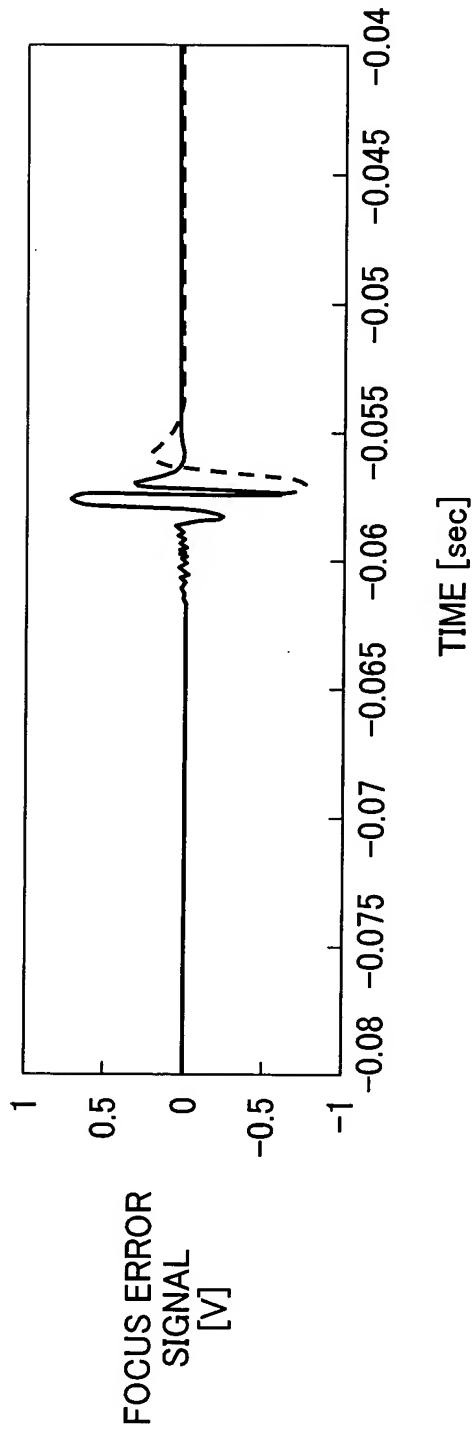


FIG. 5A
 FOCUS ERROR
 SIGNAL
 [V]

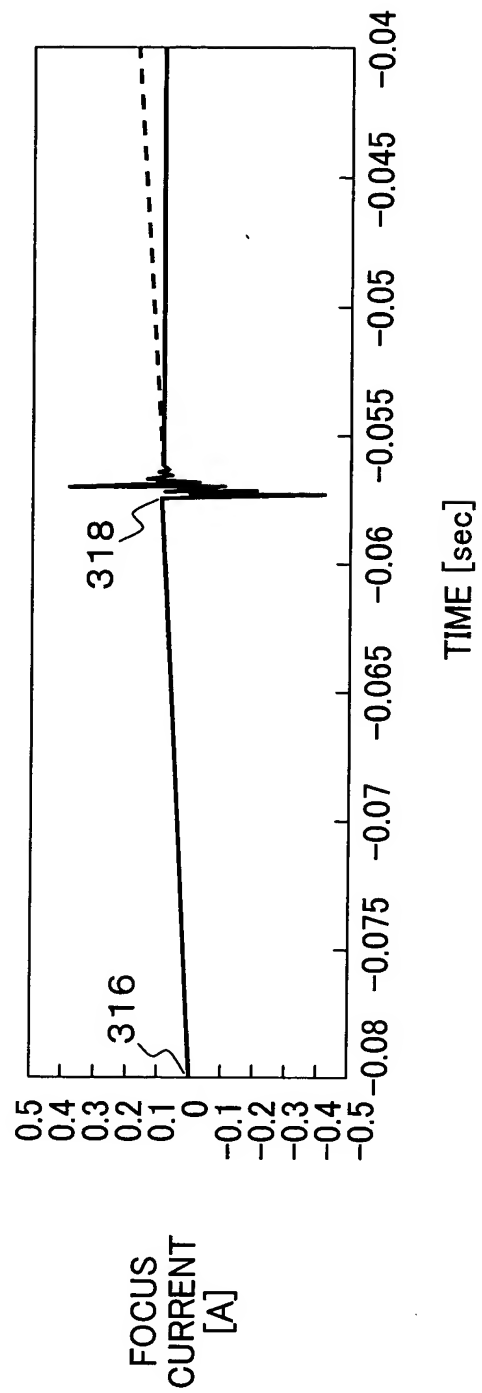
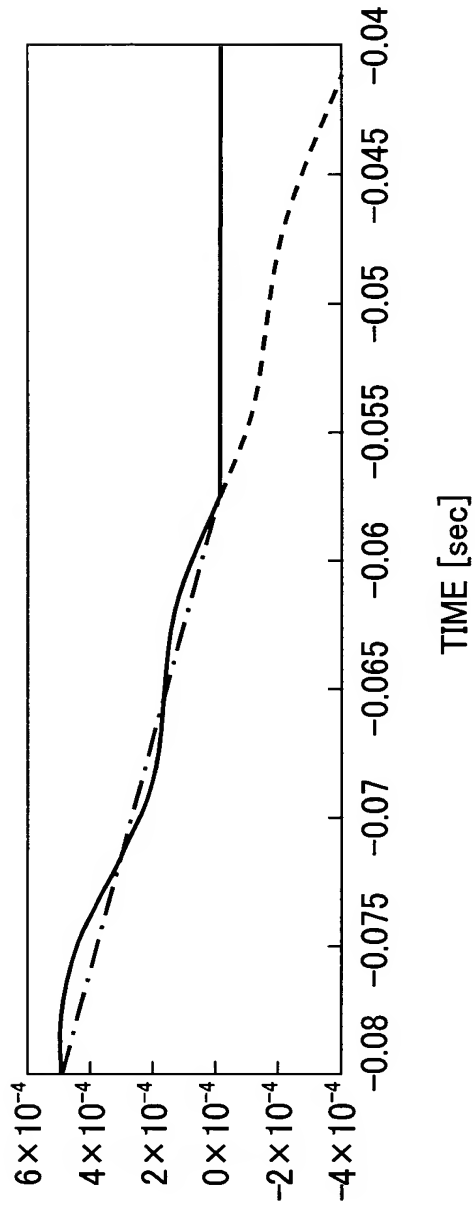


FIG. 5B
 FOCUS
 CURRENT
 [A]

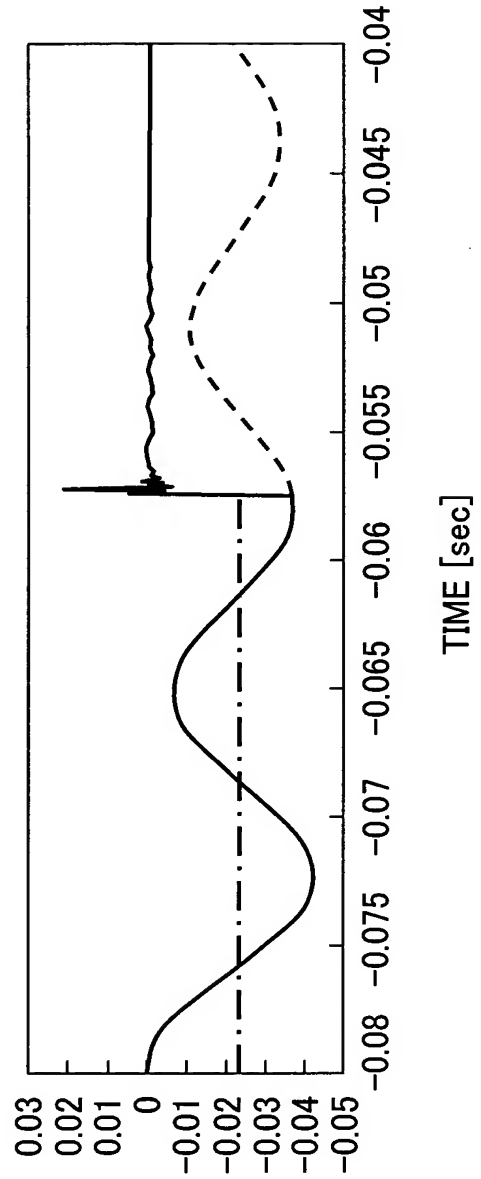
6/13

PRIOR ART



OBJECTIVE
LENS RELATIVE
POSITION
[m]

FIG. 5C

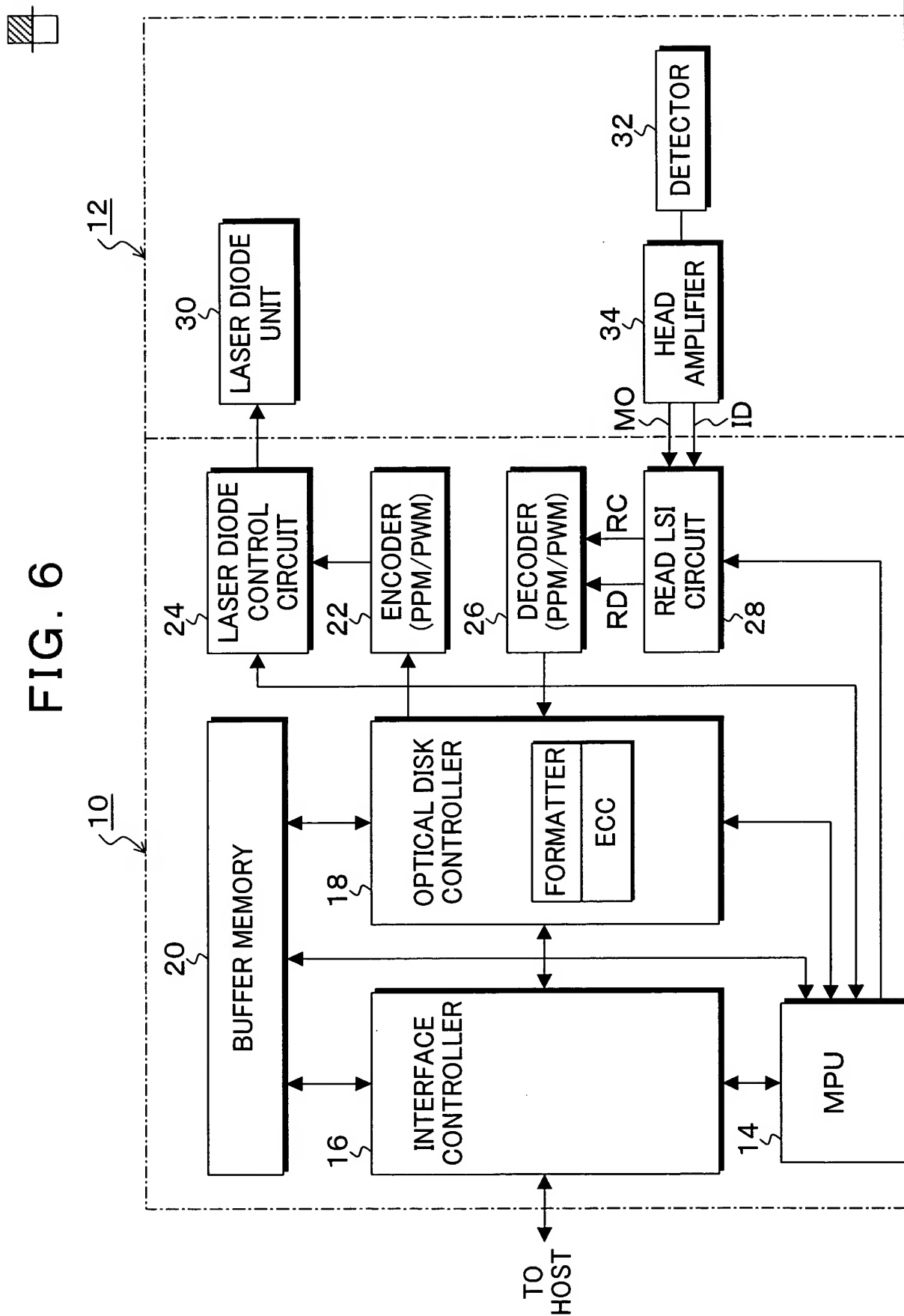


OBJECTIVE
LENS RELATIVE
VELOCITY
[m/s]

FIG. 5D

7/13

FIG. 6



8/13

FIG. 7

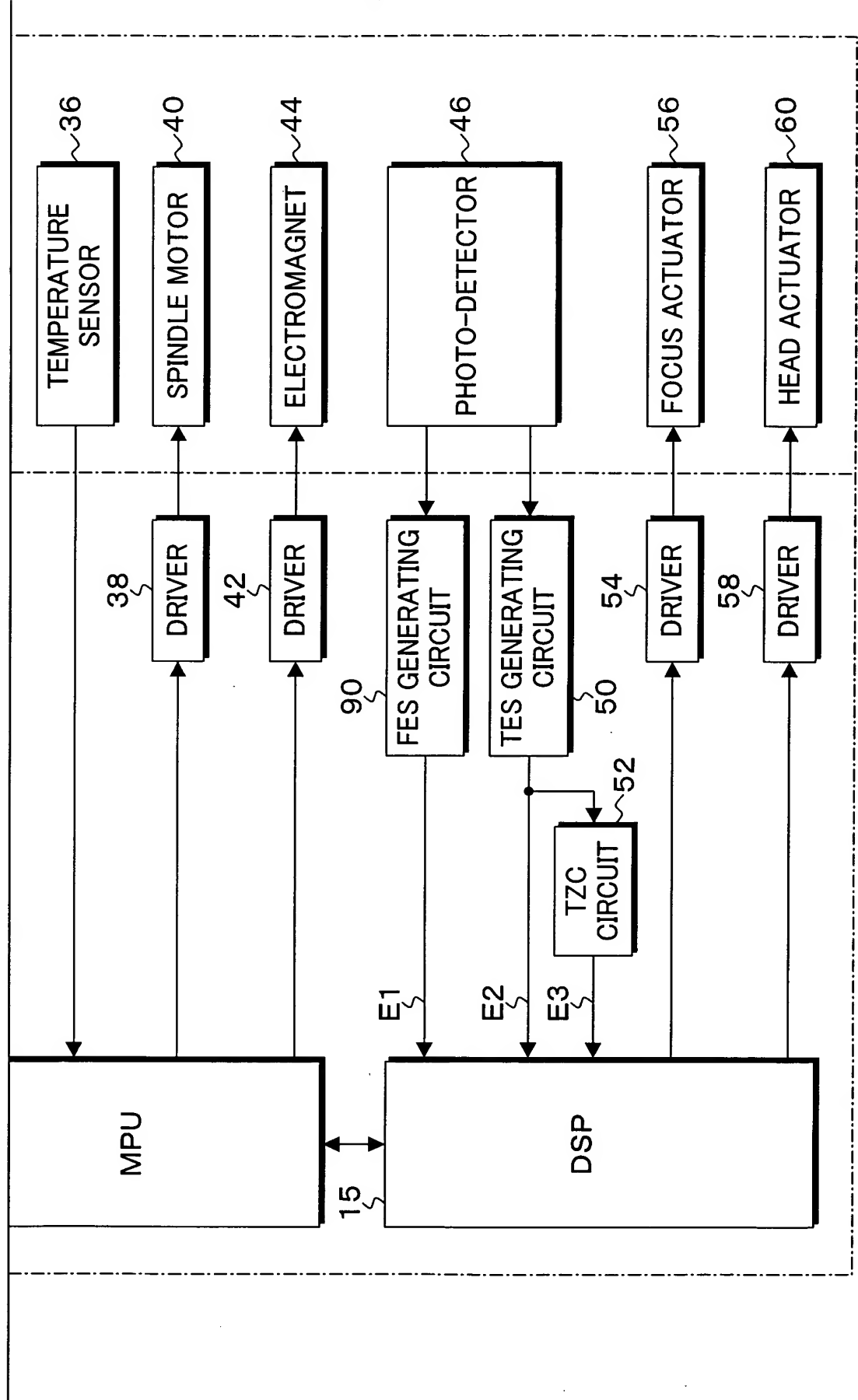
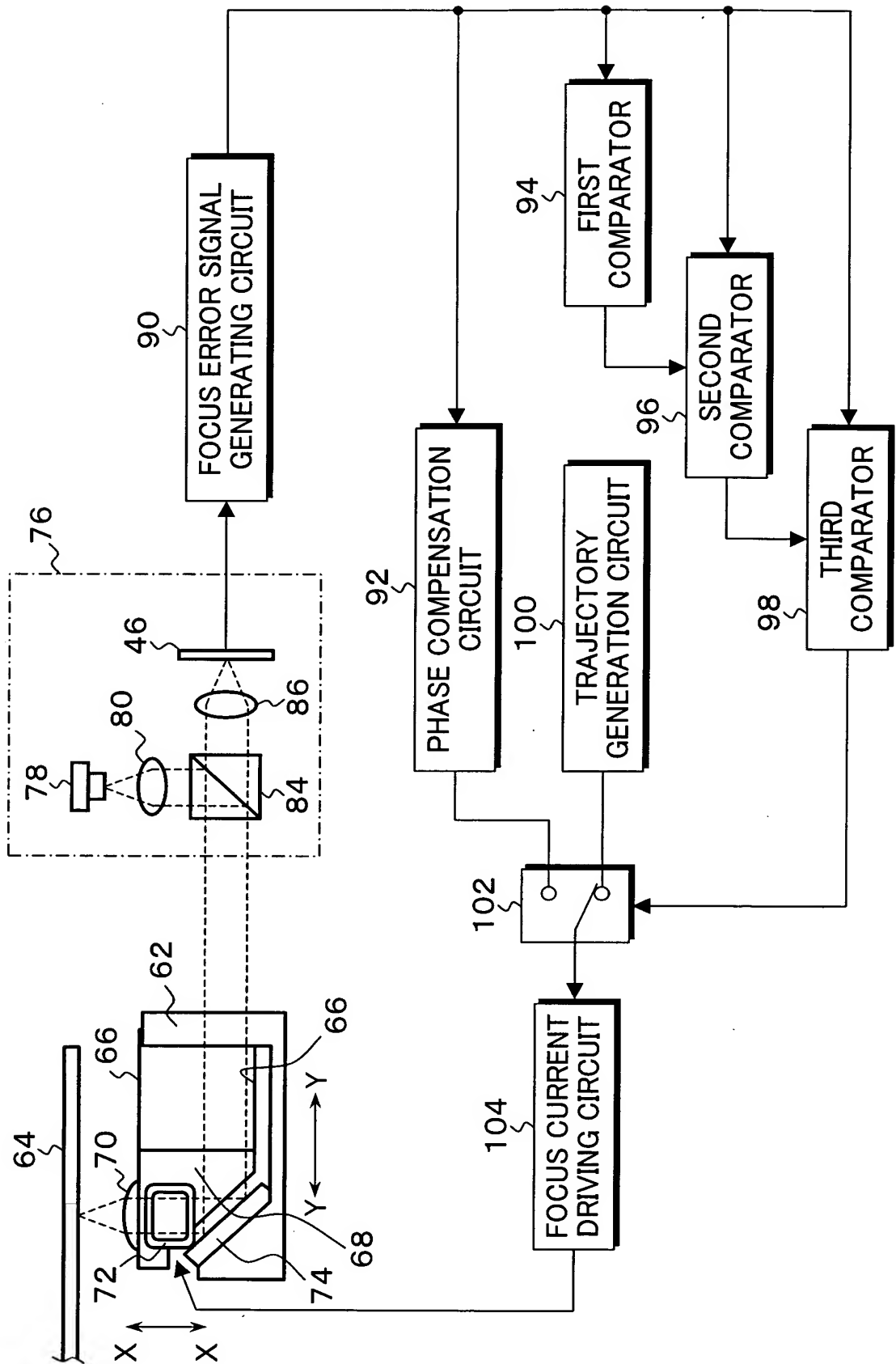


FIG. 8



10/13

FIG. 9A

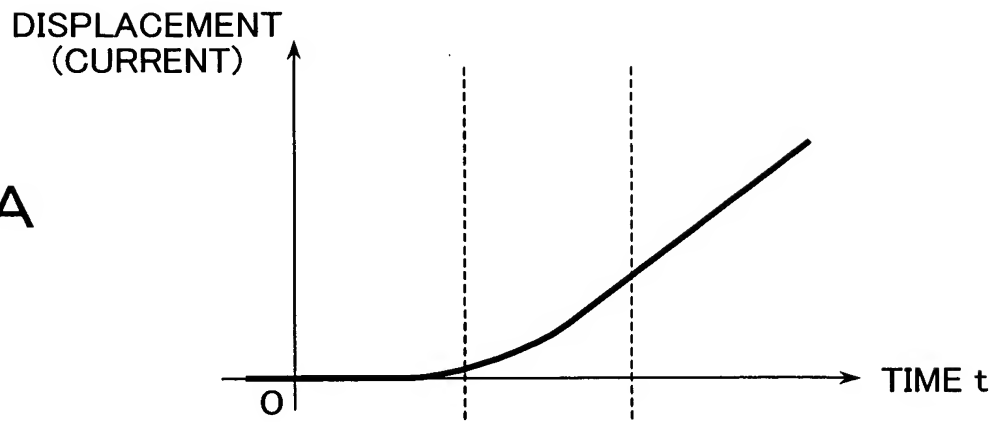


FIG. 9B

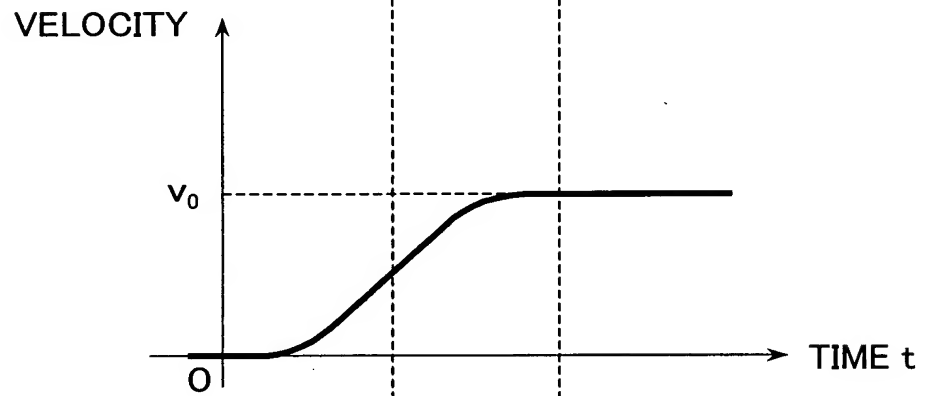
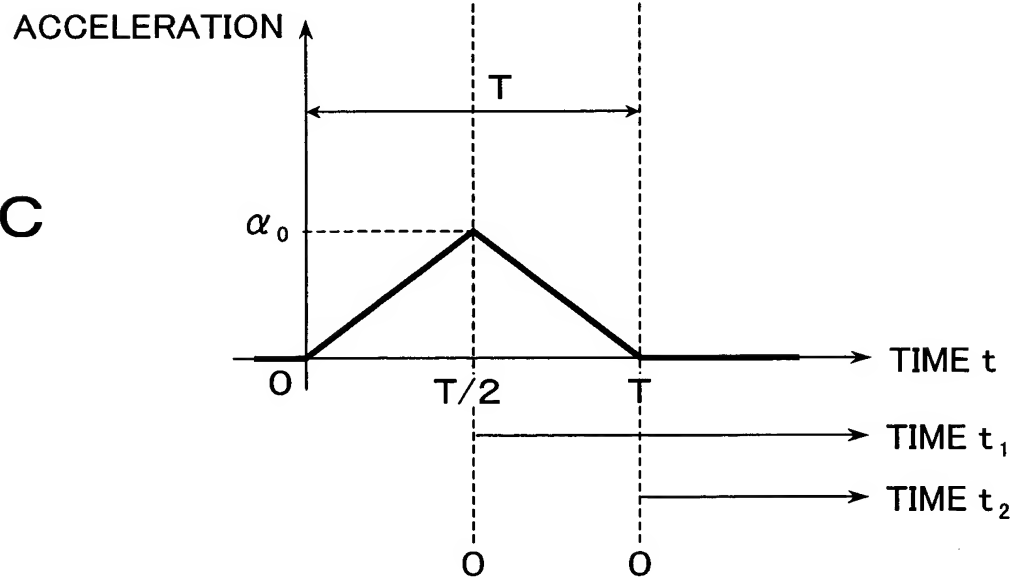


FIG. 9C



11/13

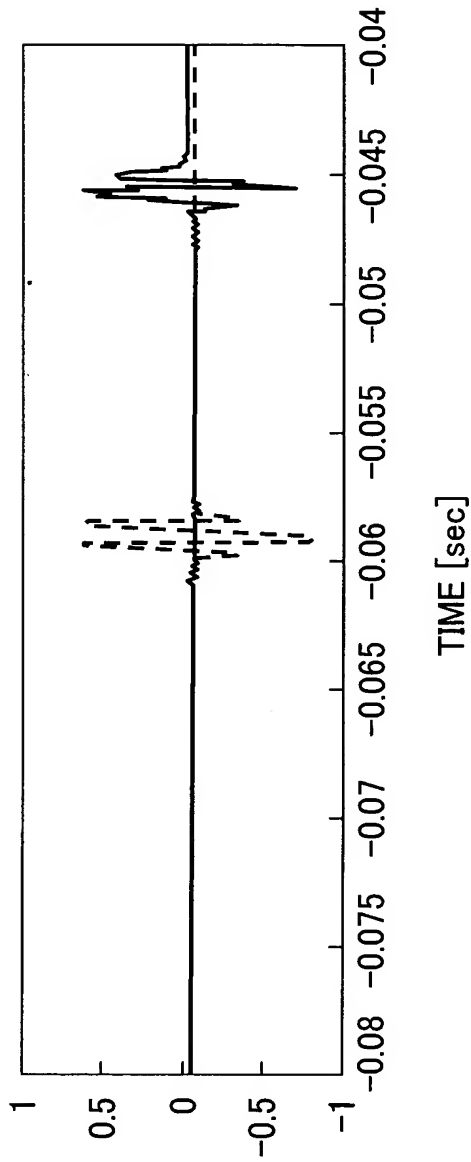


FIG. 10A
 FOCUS ERROR
 SIGNAL
 [V]

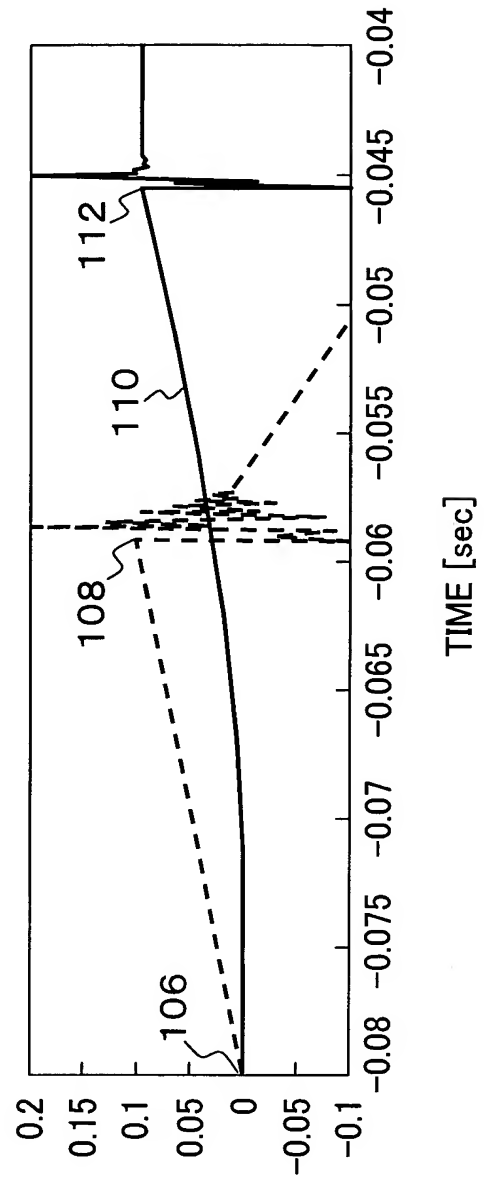
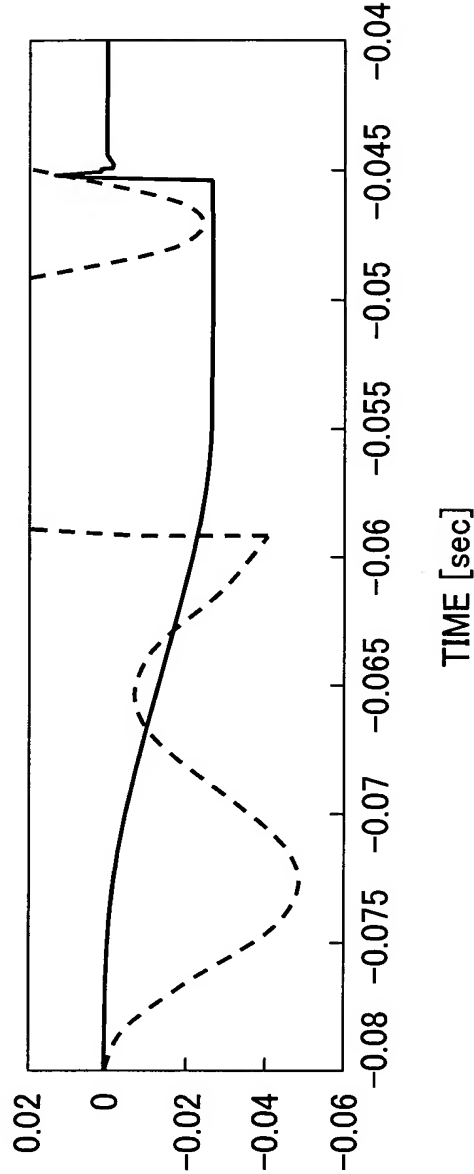
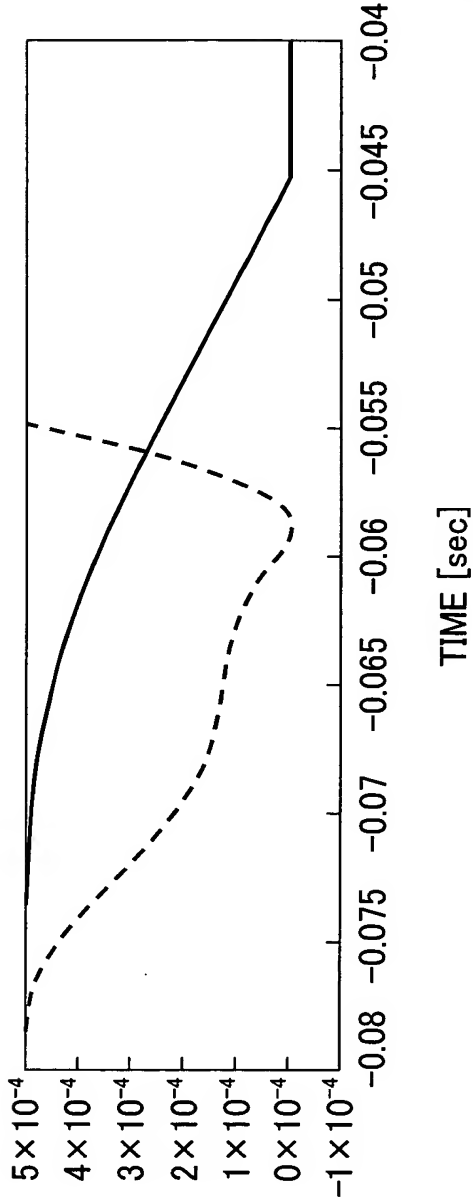


FIG. 10B
 FOCUS
 CURRENT
 [A]

12/13



13/13

FIG. 11A

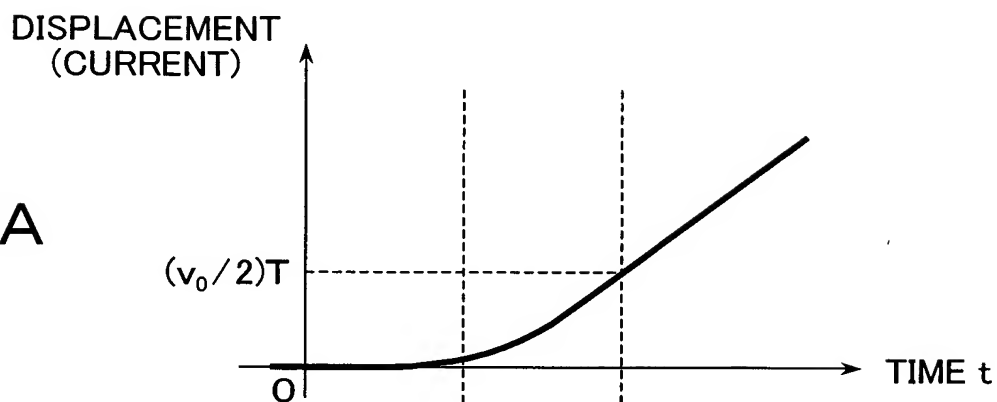


FIG. 11B

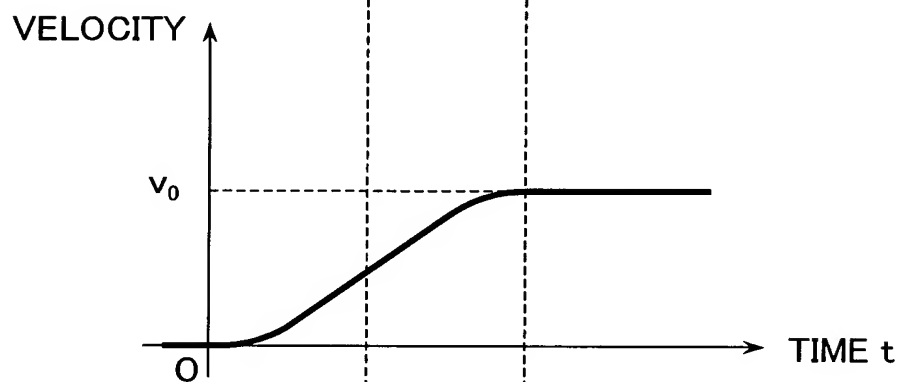


FIG. 11C

